



Vegetation Unit Summaries for **Powers Marine Park (POW)**

Report date: 7/29/2009

'*' = non-native invasive species

Visit data as of: 7/29/2009

Unit POW*001

Size: 0.09 Acres

NVCS Class: Sparse vegetation

NVCS Subclass: Consolidated rock sparse vegetation

NVCS Group: Sparsely vegetated bedrock or pavement

NVCS SubGroup: Cultural

NVCS Ecological System: unknown

Landform: unknown

Slope: unknown

Aspect: unknown

Unit POW*002

Size: 1.03 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Side-hill, Lower 3rd

Slope: Extremely Steep (over 30%)

Aspect: East

Notes:

Visit date: 6/10/2004

Ecological Health: Severely Degraded.

% Tree canopy: 35%

% Non-Native Cover: 75

General Note:

This unit is under the west end of the Sellwood bridge.

Management Note:

Wetland indicators: Streams, Hydrophilic Vegetation, Drift Lines, Flood Debris, Water Marks, Standing Flowing Water.

Primary Management concerns: Invasives, Litter, Hardscape Infrastructure.

Visit Species:

| | COVER CLASS | DOMINANT | DBH | REGENERATING | PLANTED |
|---|-------------|----------|--------|--------------|---------|
| Rubus discolor (Himalayan blackberry) | 20% to 50% | Y | | | |
| Populus balsamifera ssp. trichocarpa (black cott) | 10% to 20% | Y | 10-20" | Y | |
| Pseudotsuga menziesii (Douglas fir) | 10% to 20% | | 20-30" | | |
| Polygonum cuspidatum (Japanese knotweed) | 10% to 20% | | | | |
| Acer macrophyllum (bigleaf maple) | 1% to 10% | | 10-20" | | |
| Fraxinus latifolia (Oregon ash) | 1% to 10% | | 0-5" | Y | |
| Clematis vitalba (clematis) | 1% to 10% | | | | |
| Lathyrus polyphyllus (Pacific leafy peavine) | 1% to 10% | | | | |
| Salix lucida ssp. lasiandra (Pacific willow) | 1% to 10% | | | | |

| | | |
|---|-----------|------|
| Trifolium dubium (suckling clover) | 1% to 10% | |
| Ligustrum vulgare (European privet) | trace | 0-5" |
| Conium maculatum (poison hemlock) | trace | |
| Convolvulus arvensis (morning glory) | trace | |
| Epilobium angustifolium (fireweed) | trace | |
| Galium aparine (cleavers) | trace | |
| Holcus lanatus (velvet grass) | trace | |
| Hypericum perforatum (common St. John's wort) | trace | |
| Phalaris arundinacea (reed canarygrass) | trace | |
| Ranunculus repens (creeping buttercup) | trace | |
| Senecio jacobaea (tansy ragwort) | trace | |

Unit POW*003

Size: 5.07 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.869 North Pacific Lowland Riparian Forest and Shrubland

Landform: Side-hill, Lower 3rd

Slope: Gentle (10 to 20%)

Aspect: East

Notes:

Visit date: 6/10/2004

Ecological Health: Severely Degraded.

% Tree canopy: 45%

% Non-Native Cover: 45

General Note:

Watertower on site. This unit consist of riparian next to the river and the upland area next to the tracks; species are distributed accordingly.

Management Note:

Create management plan for both coexisting habitat types.

Eco Note:

The survey excludes mowed areas around trail. 61.9" DBH POBAT. This unit had very little intact structure.

Wetland indicators: Streams, Hydrophilic Vegetation, Flood Debris, Water Marks, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Domestic Animals, Litter, Utility Infrastructure, Mountain Bike Impact, Informal Trails.

Visit Species:

| | COVER CLASS | DOMINANT | DBH | REGENERATING | PLANTED |
|---|-------------|----------|--------|--------------|---------|
| Populus balsamifera ssp. trichocarpa (black cott | 20% to 50% | Y | 20-30" | Y | |
| Rubus discolor (Himalayan blackberry) | 20% to 50% | | | | |
| Hedera helix (English ivy) | 10% to 20% | | | | |
| Phalaris arundinacea (reed canarygrass) | 10% to 20% | | | | |
| Fraxinus latifolia (Oregon ash) | 1% to 10% | | 10-20" | Y | |
| Alnus rubra (red alder) | 1% to 10% | | 5-10" | | |
| Acer macrophyllum (bigleaf maple) | 1% to 10% | | 0-5" | Y | |
| Clematis vitalba (clematis) | 1% to 10% | | | | |
| Lapsana communis (common nipplewort) | 1% to 10% | | | | |
| Lotus corniculatus (birdsfoot trefoil) | 1% to 10% | | | | |
| Ranunculus repens (creeping buttercup) | 1% to 10% | | | | |
| Salix lucida ssp. lasiandra (Pacific willow) | 1% to 10% | | | | |
| Symphoricarpos albus (snowberry) | 1% to 10% | | | | |
| Viburnum edule (squashberry) | 1% to 10% | | | | |
| Cornus nuttallii (Pacific dogwood) | trace | | 0-5" | | |
| Convolvulus sepium (hedge glorybind) | trace | | | | |
| Crataegus douglasii (Douglas' black hawthorn) | trace | | | | |
| Crataegus monogyna (European hawthorn) | trace | | | | |
| Dipsacus sylvestris (teasel) | trace | | | | |
| Plantago lanceolata (English narrowleaf buckhorn) | trace | | | | |
| Rumex obtusifolius (bitter dock) | trace | | | | |

Unit POW*004**Size:** 5.59 Acres**NVCS Class:** Woodland**NVCS Subclass:** Deciduous woodland**NVCS Group:** Cold-deciduous woodland**NVCS SubGroup:** Natural / Semi-natural**NVCS Ecological System:** CES204.869 North Pacific Lowland Riparian Forest and Shrubland**Landform:** Side-hill, Lower 3rd**Slope:** Extremely Steep (over 30%)**Aspect:** Northeast**Notes:****Visit date:** 6/14/2004**Ecological Health:** Poor.**% Tree canopy:** 40%**% Non-Native Cover:** 30**General Note:**

The boundary of this unit includes the trail and mowed areas down to the beach/wetland area, but we only surveyed the natural areas of this unit. The natural area basically extends from the non-mowed area near the trail down to the wetland area on the beach.

Management Note:**Wetland indicators:** Streams, Standing Flowing Water.**Primary Management concerns:** Invasives, Erosion, Domestic Animals, Litter, Vandalism, Informal Trails.**Visit Species:**

| | COVER CLASS | DOMINANT | DBH | REGENERATING | PLANTED |
|--|-------------|----------|--------|--------------|---------|
| Populus balsamifera ssp. trichocarpa (black cott | 20% to 50% | Y | 20-30" | Y | |
| Rubus discolor (Himalayan blackberry) | 10% to 20% | Y | | | |
| Corylus cornuta (western beaked hazelnut) | 1% to 10% | Y | | | |
| Pseudotsuga menziesii (Douglas fir) | 1% to 10% | | 20-30" | | |
| Acer macrophyllum (bigleaf maple) | 1% to 10% | | 10-20" | Y | |
| Alnus rubra (red alder) | 1% to 10% | | 10-20" | | |
| Crataegus monogyna (European hawthorn) | 1% to 10% | | | | |
| Hedera helix (English ivy) | 1% to 10% | | | | |
| Lapsana communis (common nipplewort) | 1% to 10% | | | | |
| Rubus parviflorus (thimbleberry) | 1% to 10% | | | | |
| Rubus ursinus (trailing blackberry) | 1% to 10% | | | | |
| Salix scouleriana (Scouler's willow) | 1% to 10% | | | | |
| Symphoricarpos albus (snowberry) | 1% to 10% | | | | |
| Quercus garryana (Oregon white oak) | trace | | 10-20" | | |
| Betula papyrifera (paper birch) | trace | | 0-5" | | |
| Fraxinus latifolia (Oregon ash) | trace | | 0-5" | Y | |
| Malus sp. (cultivated apple tree) | trace | | 0-5" | | |
| Sorbus aucuparia (European mountain ash) | trace | | 0-5" | | |
| Thuja plicata (western red cedar) | trace | | 0-5" | Y | |
| Clematis vitalba (clematis) | trace | | | | |
| Crataegus douglasii (Douglas' black hawthorn) | trace | | | | |
| Geranium robertianum (herb-Robert) | trace | | | | |
| Hypericum perforatum (common St. John's wort) | trace | | | | |
| Ilex aquafolium (English holly) | trace | | | | |
| Lonicera ciliosa (western orange honeysuckle) | trace | | | | |
| Lotus corniculatus (birdsfoot trefoil) | trace | | | | |
| Spiraea betulifolia (shiny leaf meadowsweet) | trace | | | | |
| Toxicodendron diversilobum (poison oak) | trace | | | | |

Unit POW*005**Size:** 1.04 Acres

NVCS Class: Herbaceous
NVCS Subclass: Perennial forb vegetation
NVCS Group: Temperate perennial forb vegetation
NVCS SubGroup: Natural / Semi-natural
NVCS Ecological System: unknown
Landform: Broad flat > 600'
Slope: Flat (0 to 5%)
Aspect: Northeast
Notes:

Visit date: 6/10/2004

Ecological Health: Fair.

% Tree canopy: 5%

% Non-Native Cover: 40

General Note:

This is the wetland beach in the south part of Powers Marine park. The unit boundary was extended beyond the taxlot line to include vegetation extending to the water line.

Management Note:

There is much Purple Loosestrife coming into the wetland.

Wetland indicators: Streams, Hydrophilic Vegetation, Silt, Drift Lines, Flood Debris, Water Marks, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Litter, Informal Trails.

Visit Species:

| | COVER CLASS | DOMINANT | DBH | REGENERATING | PLANTED |
|---|-------------|----------|-------|--------------|---------|
| Juncus effusus (common soft Pacific rush) | 20% to 50% | Y | | | |
| Mentha spicata (Spearment) | 20% to 50% | Y | | | |
| Salix lucida ssp. lasiandra (Pacific willow) | 20% to 50% | Y | | Y | |
| Lythrum salicaria (purple loosestrife) | 10% to 20% | | | | |
| Alnus rubra (red alder) | 1% to 10% | | 5-10" | | |
| Populus balsamifera ssp. trichocarpa (black cott) | 1% to 10% | | 0-5" | Y | |
| Aster subspicatus (Douglas' Aster) | 1% to 10% | | | | |
| Cornus sericea ssp. sericea (red-osier dogwood) | 1% to 10% | | | | |
| Iris pseudacorus (yellow flag iris) | 1% to 10% | | | | |
| Lotus corniculatus (birdsfoot trefoil) | 1% to 10% | | | | |
| Phalaris arundinacea (reed canarygrass) | 1% to 10% | | | | |
| Polygonum sp. (knotweed) | 1% to 10% | | | | |
| Veronica americana (American brooklime) | 1% to 10% | | | | |
| Geranium robertianum (herb-Robert) | trace | | | | |
| Hypericum perforatum (common St. John's wort) | trace | | | | |
| Juncus articulatus (jointleaf rush) | trace | | | | |
| Rubus discolor (Himalayan blackberry) | trace | | | | |
| Senecio jacobaea (tansy ragwort) | trace | | | | |
| Solanum dulcamara (bittersweet nightshade) | trace | | | | |
| Spiraea douglasii (Douglas' spiraea) | trace | | | | |
| Verbascum blattaria (moth mullein) | trace | | | | |

Unit POW*006

Size: 1.66 Acres

NVCS Class: Woodland

NVCS Subclass: Deciduous woodland

NVCS Group: Cold-deciduous woodland

NVCS SubGroup: Natural / Semi-natural

NVCS Ecological System: CES204.846 North Pacific Broadleaf Mesic Seral Forest

Landform: Side-hill, Middle 3rd

Slope: Extremely Steep (over 30%)

Aspect: Northeast

Notes:

Visit date: 6/10/2004

Ecological Health: Severely Degraded.

% Tree canopy: 45%

% Non-Native Cover: 75

General Note:

This unit consists of the bank parallel and west of the railroad tracks below Highway 43.

Management Note:

Eco Note:

There are several streams being piped underground in unit. If uncovered they would open up new plant community territory.

Wetland indicators: Streams, Hydrophilic Vegetation, Surface Water, Saturated Soils, Standing Flowing Water.

Primary Management concerns: Invasives, Tree Topping, Litter, Informal Trails.

Visit Species:

| | COVER CLASS | DOMINANT | DBH | REGENERATING | PLANTED |
|--|-------------|----------|--------|--------------|---------|
| Hedera helix (English ivy) | 50% to 75% | Y | | | |
| Acer macrophyllum (bigleaf maple) | 10% to 20% | Y | 5-10" | Y | |
| Populus balsamifera ssp. trichocarpa (black cott | 1% to 10% | | 10-20" | Y | |
| Thuja plicata (western red cedar) | 1% to 10% | | 5-10" | Y | |
| Equisetum telmateia (giant horsetail) | 1% to 10% | | | | |
| Oemleria cerasiformis (Indian-plum) | 1% to 10% | | | | |
| Polygonum cuspidatum (Japanese knotweed) | 1% to 10% | | | | |
| Rubus discolor (Himalayan blackberry) | 1% to 10% | | | | |
| Symphoricarpos albus (snowberry) | 1% to 10% | | | | |
| Clematis vitalba (clematis) | trace | | | | |
| Corylus avellana (common filbert) | trace | | | | |
| Crataegus monogyna (European hawthorn) | trace | | | | |
| Galium aparine (cleavers) | trace | | | | |
| Geranium robertianum (herb-Robert) | trace | | | | |
| Ilex aquafolium (English holly) | trace | | | | |